<u> </u>				Attorney I	Docket Numb	per 3382-64473-01
					n Number	10/620,744
(0)		PACCE OF THE CT	CATEMENT	Filing Dat		July 15, 2003
IN OKN	MON	DISCLOSURE ST APPLICANT	AIEMENI	First Named Inventor Art Unit Examiner Name		Srinivasan
	<b>-</b>	APPLICANT				2631
FEB 07	MD &					To be assigned
Ž			U.S. PATENT D	OCUMEN	TS	
TE: Tribac	- sh - Dotont (	as filed after June 30, 200	3, copies.of United St of 37 C.F.R. § 1.98(a)			blished patent applications do not have ited States Patent and Trademark Office
suant to the aminer's	Cite No. (optional)	Number	(100	tion Date	Name	of Applicant or Patentee
nitials*	(opacial)	US 2003-0152146	Aug. 14, 2	2003	Lin	
1		US 2003-0206582	Nov. 6, 2	003	Sriņivasan	
+		6,728,315	April 27,		Haskell et	al.
		6,771,828	March 3,		Malvar	·
		4,754,492	June 3, 1		Malvar	-1
		5,805,739	April 2,		Malvar et Malvar	ai.
		6,029,126	June 30,		Malvar	
		6,115,689	May 27, June 30,		Malvar	
		6,253,165	June 30,	1996	14141444	
<b>—</b>		5,859,788	Jan. 12,	1999	Sheng	· · · · · · · · · · · · · · · · · · ·
		F	OREIGN PATE	NT DOCU	MENTS	
Examiner' Initials*	Cite No.	Country	Number		cation Date	Name of Applicant or Patentee
del.		AU	7351001	Jan. 30	0, 2002	Quang et al.
Examiner'	'S Cite No.		OTHER DOCUMENTS			
Initials*	(optional	H. S. Malvar, "S	H. S. Malvar, "Signal Processing With Lapped Transforms," Norwood, MA: Artech House, , pp. 175-219, 264-273, 1992.			
EXAMIN		House, pp. 173	n /	DATE	FRED:	1/15/07
SIGNAT	URE:	,,,		1		P 609. Draw line through cite if ation to applicant.
* Examin	er: Initial	if reference considered in the considered in the considered. In	ea, whether of not	. III COIIIOI IIIA	avt communic	ation to applicant.

		Attorney Docket Number	3382-64473-01
INFORMATION DISCLOSURE STATEMENT		Application Number	10/620,744
		Filing Date	July 15, 2003
HALORMA	BY APPLICANT	First Named Inventor	Srinivasan
•		Art Unit	2631
•		Examiner Name	To be assigned
AK	Trac D. Tran, "Lapped Transform v. Conference on Information Sciences 21-23, 2001.  INTERNATIONAL ORGANIZATI JTC1/SC29/WG11 N4668, "CODIN 2002, Title: MPEG-4 Overview - (V. (rob.koenen@m4if.org), available a 4/mpeg-4.htm.  "H.264 & IPTV Over DSL - Enablic Intel/Envivio, May 15, 2004, availa http://www.envivio.com/images/profest-Filtering," IEEE Transactions June 2003.  K. R. Rao and J. Hwang, "Technique and Audio Coding," Englewood Clifth H.W. Park and Y. L. Lee, "A post perfects in low bit-rate moving picture Syst., Video Technol., Vol. 9, pp. 16. J. Apostolopoulos and N. Jayant, "Invideo compression," IEEE Trans. In 1999.  T. D. Tran and C. Tu, "Lapped trans SPIE Applicat. Digital Image Proceed 2001.  Chengjie Tu and Trac D. Tran, "Coccoefficients for Image Compression No. 11, pp. 1271-1283, November	Examiner Name ia Time-Domain Pre- and Poss and Systems, The Johns Ho GON FOR STANDARDISAT NG OF MOVING PICTURES 7.21 – Jeju Version), Editor: It http://www.chiariglione.org ing New Telco Revenue Opposible at oducts/H264whitepaper.pdf. jie Tu, "Lapped Transform vi on Signal Processing, Vol. 5 nes and Standards for Image, iffs, NJ: Prentice-Hall, 1996. processing method for reducing re coding," IEEE Trans. Circle 61–171, February 1999. Post-processing for very-low- mage Processing, Vol. 8, pp. isform based video coding," In essing XXIV, San Diego, CA, ontext-Based Entropy Coding on," IEEE Transactions On In 2002.	st-Processing," 2001 pkins University, March TION, ISO/IEC S AND AUDIO," March Rob Koenen e/mpeg/standards/mpeg- ortunities," White Paper, ia Time-Domain Pre- and il, No. 6, pp. 1557-71, Video, ing quantization cuits bit-rate 1125-1129, August Proc. pp. 319-333, August g of Block Transform mage Processing, Vol. 11,
	R. L. de Queiroz and T. D. Tran, "I Handbook on Transforms and Date	Lapped transforms for image a Compression, edited by K. I	R. Rao and P. Yip, CRC
*	Press, pp. 197-265, October 2000.		

EXAMINER SIGNATURE:	A. RAO	DATE CONSIDERED:	1/15/07

<sup>\*</sup> Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

001 2 0 2005

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Attorney Docket Number	3382-64473-01		
Application Number	10/620,744		
Filing Date	July 15, 2003		
First Named Inventor	Srinivasan		
Art Unit	2631		
Examiner Name	not yet assigned		

## **U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's . Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee	
M	5,970,173	5,970,173	October 19, 1999	Lee et al.	
		5,973,755	October 26, 1999	Gabriel	
		6,073,153	June 6, 2000	Malvar	
		6,154,762	November 28, 2000	Malvar	
		6,307,887	October 23, 2001	Gabriel	
	-	6,324,560	November 27, 2001	Malvar	
1		6,370,502	April 9, 2002	Wu et al.	
		6,487,574	November 26, 2002	Malvar	
		6,496,795	December 17, 2002	Malvar	

## U.S. PATENT APPLICATION DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Filing Date	Name of Applicant or Patentee
AK.		60/341,674	December 17, 2001	Lee et al.
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS		
Al		de Queiroz et al., "Time-Varying Lapped Transforms and Wavelet Packets," <i>IEEE Transactions on Signal Processing</i> , Vol. 41, No. 12, pp. 3293-3305 (1993).		
AL		Malvar, Signal Processing with Lapped Transforms, Artech House, Norwood, MA, pp. iv, vii-xi, 175-218, and 353-57 (1992).		

EXAMINER SIGNATURE:	A. RAO	DATE CONSIDERED:	1/15/07	
		CONSIDERAD.		

<sup>\*</sup> Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

## Attorney Docket Number 3382-64473-01 **Application Number** 10/620,744 Filing Date July 15, 2003 INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor Srinivasan Art Unit 2631 **Examiner Name** not yet assigned Examiner's Cite No. **OTHER DOCUMENTS** (optional) Initials\* Malvar, "Lapped Transforms for Efficient Transform/Subband Coding," IEEE BK Transactions on Acoustics, Speech and Signal Processing, Vol. 38, No. 6, pp. 969-978 Malvar, "Biorthogonal and Nonuniform Lapped Transforms for Transform Coding with Reduced Blocking and Ringing Artifacts," appeared in IEEE Transactions on Signal Processing, Special Issue on Multirate Systems, Filter Banks, Wavelets, and Applications, Vol. 46, 29 pp. (1998). Shlien, "The Modulated Lapped Transform, Its Time-Varying Forms, and Its Applications to Audio Coding Standards," IEEE Transactions on Speech and Audio Processing, Vol. 5, No. 4, pp. 359-366 (July 1997). ITU-T, "ITU-T Recommendation H.261: Video Codec for Audiovisual Services at p x 64 kbits," 28 pp. (1993). ITU-T, "ITU-T Recommendation H.262: Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Videol," 218 pp. (1995). ITU-T, "ITU-T Recommendation H.263: Video Coding for Low Bit Rate Communication," 167 pp. (1998). ISO/IEC, "ISO/IEC 11172-2: Information Technology - Coding of Moving Pictures and Associated Audio for Storage Media at up to About 1,5 Mbit/s," 122 pp. (1993). ISO/IEC, "Information Technology - Coding of Audio-Visual Objects: Visual, ISO/IEC 14496-2, Committee Draft," 330 pp. (1998). Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG, "Joint Final Committee Draft (JFCD) of Joint Video Specification," JVT-D157, 207 pp. (August 2002). Reader, "History of MPEG Video Compression - Ver. 4.0," 99 pp., document marked December 16, 2003. Printouts of FTP directories from http://ftp3.itu.ch, 8 pp. (downloaded from the World Wide Web on September 20, 2005.)

EXAMINER A. RAO	DATE CONSIDERED: 1/15/07
-----------------	--------------------------

<sup>\*</sup> Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.